

Division of Hand & Upper Extremity Surgery
Department of Orthopedic Surgery
Columbia University Irving Medical Center
NewYork-Presbyterian

ROBERT E. CARROLL

Hand & Upper Extremity Fellowship

Saturday, January 28, 2023

2023 Fellowship Interviews



Welcome to Columbia Orthopedics

The Department of Orthopedic Surgery at Columbia University Vagelos College of Physicians and Surgeons has earned a reputation as one of the leading academic orthopedic departments in the nation. Our rich tradition in orthopedic surgery dates back to 1866 when the New York Orthopaedic Dispensary—later named the New York Orthopaedic Hospital—opened its doors. Since that time, the department has grown into a preeminent center for quality patient care, research, and education.

Founded in 1958 by Dr. Robert E. Carroll, the New York Orthopaedic Hospital Hand Surgery Service is the oldest and most prestigious hand and upper extremity sub-specialty service at both the national and international level. Established alongside the clinical service, our fellowship has produced world renowned hand surgeons for more than 50 years.

Today, the Division of Hand and Upper Extremity Surgery at Columbia Orthopedics continues to be one of the finest training programs in the United States. Emphasis is always on resident/fellow education and training. New and cutting edge techniques are introduced to teach fellows the latest procedures. Both basic science and clinical research opportunities are part of the fellowship year. We believe that the training received here at the Columbia program prepares the fellows for all the demands of orthopedic practice.

We hope you enjoy your visit with us and look forward to answering all of your questions regarding our program.



Melvin P. Rosenwasser, MD

*Robert E. Carroll Professor of Orthopedic Surgery
Chief, Hand & Upper Extremity Service, and Trauma
Director, Hand & Upper Extremity Fellowship
Department of Orthopedic Surgery
Columbia University Irving Medical Center*



William N. Levine, MD

*Frank E. Stinchfield Professor & Chair
Department of Orthopedic Surgery
Chief, Shoulder Service
Co-Director, Center for Shoulder, Elbow & Sports Medicine
Head Team Physician, Columbia University Athletics
Editor-in-Chief, Journal of the American Academy of
Orthopedic Surgeons (JAAOS)
Past-President, American Shoulder and Elbow Surgeons*

Schedule & Agenda

Group A

7:15 – 8:00 am	Introduction / Breakfast
8:00 – 9:30 am	Interviews
9:50 – 10:10 am	Tours
10:15 am	Closing Remarks / Adjourn

Group B

9:30 – 9:50 am	Tours
10:10 – 11:10 am	Interviews
11:30 – 12:15 pm	Lunch
12:15 – 1:00 pm	Introduction
1:00 pm	Closing Remarks / Adjourn

Group C

11:10 – 11:30 am	Tours
11:30 – 12:15 pm	Lunch
12:15 – 1:00 pm	Introduction
1:00 – 3:15 pm	Interviews
3:30 pm	Closing Remarks / Adjourn



A Brief History of Our Program



Dr. Robert E. Carroll, at right, with clinical team, c. 1960



The Department of Orthopedic Surgery at Columbia University Irving Medical Center originally began in 1866 as the New York Orthopaedic Dispensary, later renamed as New York Orthopaedic Hospital (NYOH). One of the oldest orthopedic training programs in the country, NYOH was established to treat needy children afflicted by diseases of the musculoskeletal system. Dr. George Fayette Taylor founded the Dispensary with help from Theodore Roosevelt's grateful father, Anna Roosevelt, the future president's sister, was a victim of Potts Disease and wore a customized spinal brace fabricated for her by Dr. Taylor. Throughout its history, NYOH has played an important role in developing and refining new techniques in the diagnosis and treatment of orthopedic disease and disorders.

Dr. Robert E. Carroll established the New York Orthopaedic Hospital Hand Surgery Service and since 1958, the fellowship has forged internationally acclaimed careers in hand and upper extremity surgery. A veteran of WWII, Dr. Carroll enjoyed a prominent position amongst the world's leading hand surgeons for more than four decades. He remained a strong presence in our program until his passing in August, 2009.



"I had the pleasure of serving as the Carroll hand fellow from 2013-14. It was a phenomenal year which exposed me to the full breadth of hand surgery. Drs. Rosenwasser, Strauch, and Kadiyala worked together to provide an exceptional environment with a combination of guidance and independence that fostered my transition into independent practice. Under one roof I had exposure to trauma, chronic conditions, pediatric and congenital hand surgery, and microsurgery. The diverse population of New York provides an unmatched variety in hand pathology that created an ideal educational experience. My fellowship experience extended far beyond the walls of the clinics and ORs at Columbia to include relief missions to Haiti, serving as junior faculty at wrist and elbow arthroscopy course at the Orthopaedic Learning Center in Chicago, and engagement with the vast hand surgery expertise in New York through the New York Hand Society. Since finishing fellowship and entering practice, the friendships I made with the faculty and residents at Columbia and the network of past Carroll Fellows have become an invaluable resource to draw upon. It was an unmatched experience for which I am very grateful."

James A. Wilkerson, MD 2013-2014
Maine Orthopedic Center, Portland, ME

Fellowship Program Overview

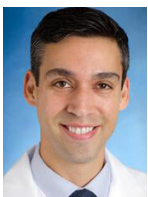
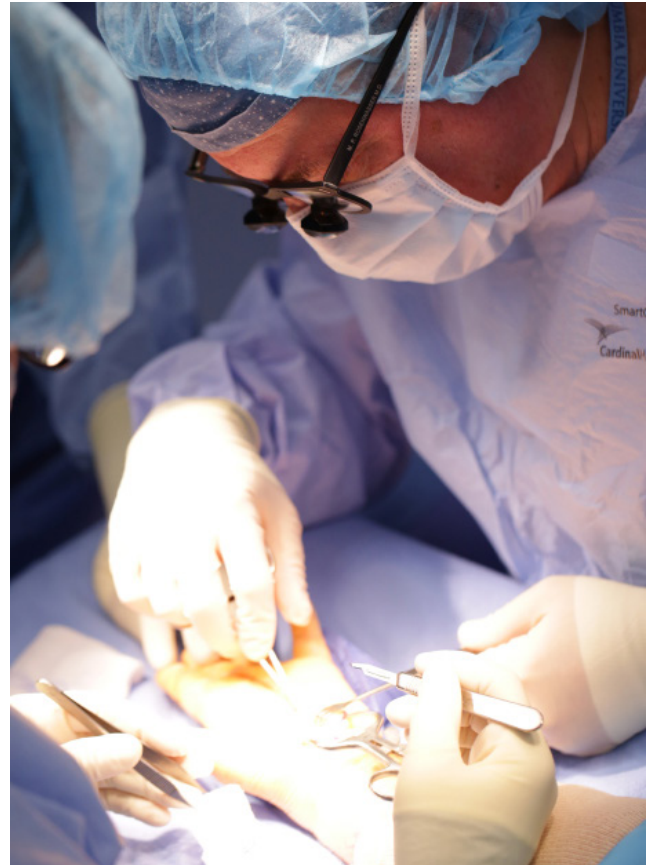
Each year one fellow is accepted to the Hand & Upper Extremity Fellowship under the direction of Dr. Melvin Rosenwasser.

Fellowship training offers extensive exposure to the hand, wrist, and elbow – including arthroscopy, nerve reconstruction, trauma and congenital anomalies. Our fellows are continually exposed to complex and interesting cases and benefit from working with renowned faculty. The educational opportunities include hand conference, journal club, grand rounds, and clinic, to list a few.

The fellowship is enhanced by the resources of NewYork-Presbyterian/Columbia University Irving Medical Center, which was recently ranked as a top five hospital in the nation by U.S. News & World Report and continues to be recognized as the best hospital in New York City.

The Russell A. Hibbs Memorial Library is a dedicated orthopedic surgery library with computer lab, archival materials as well as current volumes and journals, and rare books.

The Arthroscopy Laboratory, opened in 1998, offers state of the art instruments to perform arthroscopic and open procedures. We hold cadaver labs sponsored by various industry of interest to the hand and upper extremity trainee throughout the academic year.



“My fellowship year at Columbia was by far my most valuable year in training. Several years in practice, I still hear the wise voices of Drs. Rosenwasser, Strauch, and Kadiyala as I try to counsel patients in the office or during difficult cases. We saw complex adult and pediatric cases from the greater NYC area and internationally. I valued the opportunity to care for the local underserved community in weekly clinics. On the non-clinical side, the microsurgery lab offered a great opportunity to practice a difficult skill set. In the wet lab, we had access to cadavers for surgical dissections, research, arthroscopy practice, and trialing new implants. Overall it was a fantastic year focused on the nuances of hand surgery and patient management. This fellowship provided me with the tools I needed to enter practice, get through boards, and feel confident about providing high level hand surgical care to my patients.”

David W. Zeltser, MD 2014-2015
The Permanente Medical Group, San Francisco, CA

Hand & Upper Extremity Faculty



Melvin P. Rosenwasser, MD

Dr. Melvin Rosenwasser, Robert E. Carroll Professor of Orthopedic Surgery, is the Chief of the Hand & Upper Extremity Service at NewYork-Presbyterian/Columbia University Irving Medical Center. Dr. Rosenwasser was a pupil of Dr. Carroll and has continued to train national and international post graduate hand fellows as the director of the nation's first hand fellowship. Dr. Rosenwasser's research interests have been focused on osteoarthritis as a disease and he has investigated both fundamental causes and specific treatments. He has served as the hand surgeon consultant to the New York Yankees since 1989.



Robert J. Strauch, MD

Dr. Robert Strauch, Professor of Orthopedic Surgery, completed his orthopedic residency at the New York Orthopaedic Hospital – now Columbia Orthopedics – and completed his Hand and Upper Extremity Fellowship at The Indiana Hand Center. Dr. Strauch is a Past President of the New York Society for Surgery of the Hand and has been the recipient of many awards including New York Magazine, Best Doctors in New York City consecutively since 2001.



R. Kumar Kadiyala, MD, PhD

Dr. Kumar Kadiyala, Assistant Professor of Orthopedic Surgery, completed his orthopedic residency at the Harvard Combined Orthopaedic Residency Program and fellowships in orthopedic trauma and hand/upper extremity at Massachusetts General Hospital, Brigham and Women's Hospital, and Boston Children's Hospital. He also completed a fellowship in adult reconstruction (hip and knee replacement) at Beth Israel Deaconess Medical Center in Boston. He co-directed the shoulder and elbow service at the University of Iowa and conducted research on the molecular biology of peripheral nerve injuries before starting his own practice in Miami. Dr. Kadiyala serves as the chief of orthopedic surgery at NewYork-Presbyterian Brooklyn Methodist Hospital.



Susanne M. Roberts, MD

Dr. Susanne Roberts, Assistant Professor of Orthopedic Surgery, received her undergraduate degree in molecular biology and biochemistry from Middlebury College, and completed her medical education at Pennsylvania State University College of Medicine. After medical school, Dr. Roberts completed her residency training at the Harvard Combined Orthopaedic Residency Program, serving as Chief Resident at Massachusetts General Hospital and Brigham and Women's Faulkner Hospital during her final year. Her residency training was followed by a fellowship in hand surgery at the Hospital for Special Surgery. Dr. Roberts' practice is focused on the treatment of chronic conditions as well as complex reconstruction of acute injuries affecting the bones and soft tissues of the hand, wrist, and elbow. She is also trained in microsurgery and has a special interest in nerve injury of the upper extremity.



Evan P. Trupia, MD

Dr. Evan Trupia, Assistant Professor of Orthopedic Surgery, received his undergraduate degree in biology from Loyola University, and completed his medical education at Columbia University College of Physicians and Surgeons. After medical school, Dr. Trupia completed his residency training in orthopedic surgery at Columbia University Medical Center. His residency training was followed by a fellowship in hand surgery and upper extremity at the New York University-Hospital for Joint Diseases. Dr. Trupia's practice is focused on advanced operative and non-operative care for issues of the hand and upper extremity. He also cares for fractures and general orthopedic trauma of the upper and lower extremities.

Fellow Case Log 2021 - 2022

Category	Level 1	Level 2	Total	Minimum
Amputations	14	0	14	5
Carpal tunnel decompression	72	0	72	20
Extensor tendon repair	16	0	16	10
Finger arthrodesis or arthroplasty	19	0	19	8
Fixation of metacarpal fractures	15	0	15	10
Fixation of phalangeal fractures	28	0	28	12
Flexor tendon repair	18	0	18	10
Nerve repair	19	0	19	10
ORIF/CREF distal radius fractures	63	0	63	12
Scaphoid fracture	14	0	14	5
Soft tissue reconstruction	30	0	30	18
Tendon transfers	11	0	11	6
Thumb CMC reconstruction	19	0	19	16
Ulnar nerve decompression	24	0	24	15
Vascular repair	5	0	5	5
Wrist arthrodesis, limited or complete	8	0	8	8
Wrist arthroscopy	27	0	27	5
Wrist instability or dislocation	10	0	10	10
Total Cases	624	0	624	250

Goals & Objectives - Hand & Upper Extremity Service

The resident on the hand service should acquire basic knowledge of hand anatomy, proper physical examination technique, and should understand the diagnosis and treatment of congenital and acquired hand and elbow problems.

In addition, the goals of the rotation are to:

- Help the fellow develop interpersonal skills needed to effectively engage patients and family members to enhance communication and education.
- Develop competency in management of the orthopedic inpatients including administration, quality improvement and leadership through the use of effective verbal and written communications skills.
- Acquire medical knowledge about established and evolving biomedical, clinical, cognitive sciences and demonstrate the competent application of this knowledge to patient care.
- Demonstrate practice-based learning and improvement that involves investigation and evaluation of patient care, appraisal, and assimilation of scientific evidence and improvements in patient care.
- Demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and other health professionals.
- Demonstrate professional as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.

Reading Material

Basic knowledge: The Hand, by the American Society for Surgery of the Hand, covers basic evaluation and treatment of common hand disorders.

Further reading for cases: Green's Textbook of Hand Surgery. Read appropriate chapters for cases seen in OR and/or clinic.

Responsibilities of all residents on the service

- Knowing the status of all patients admitted to the hand service for the assigned attending.
- Reading pre-operatively about cases that residents scrub on.
- Clinic attendance every Wednesday afternoon.
- DPO clinic attendance with the assigned attending.
- Attendance at weekly indications conference on Thursday.

Evaluation of Residents

Evaluations will be based on performance in all areas and successful achievement of the goals and objectives.



"I had the distinct pleasure of serving as the Columbia Hand Fellow from 2021 to 2022. This was truly a transformational year of training for me, significantly improving my skills as a surgeon, my knowledge of hand and upper extremity pathology and treatment, and cultivating my passion for teaching. Dr Rosenwasser, Dr Strauch, Dr Roberts, and Dr Kadiyala are excellent teachers, all with their own styles and approaches, which greatly enhanced my learning. I began my practice feeling well prepared and confident thanks to the exceptional training I had received."

Kiran Agarwal-Harding, MD 2021-2022
Beth Israel Deaconess Medical Center, Upper Extremity, Boston, MA

Goals & Objectives - Hand & Upper Extremity Service

PGY1 on Hand Service

Specific responsibilities include:

- Round on all the patients of hand service early every morning. Touch base with Senior Resident and Hand Fellow about status of patients throughout the day.
- Scrub on OR cases as assigned.
- Attend Hand Conference and Hand Clinic Wednesday afternoons.

PGY4 and PGY5 on Hand Service

Specific responsibilities include:

- Round on attending's patients daily and know their status.
- OR Monday; private office 1x per week: Hand Conference Thursday, Clinic Wednesday, OR Friday.

Fellows

Specific Responsibilities include:

- Seeing all patients in house daily and coordinating patient care with residents on the service.
- Attendance (required) all hand surgeries.
- Organizing the annual hand grand rounds, hand conference, and monthly journal club with the residents.
- Give at least one core curriculum presentation to resident staff per year.
- Producing (mandatory) at least one paper of publication quality during the fellowship year.
- Rotating in the DPO with attendings as scheduled on a rotating basis.
- Attending (mandatory) clinic Wednesday afternoon, and responsible for helping to coordinate the pre and post op care of clinic patients in conjunction with the attending.

The fellow will also evaluate the program, both in writing and orally on a regular basis.

Evaluation of Fellows

Evaluation will be based on performance in all areas and successful achievement of goals and objectives.



"It is difficult to put into words how special my experience was at Columbia. Yes, I worked hard and yes, there were long days in the operating room but it is a year that I would not trade for anything. It was a driven year, some 800 cases in total, over 1100 CPT codes, an international experience with pediatric cases rare here in the U.S., a complete microvascular laboratory, surgical dissection courses, attendance at a national meeting and plenty of research opportunities. Most valuable to me by far are the mentors I gained and the lasting, collaborative relationships forged during my fellowship training."

Samuel Galle, MD 2017-2018
Proliance Hand, Wrist and Elbow, Kirkland, WA

The Robert E. Carroll Hand Fellows - 1958 to Present



1958-1959	James M. Hunter, MD (deceased, January 2013)	1971-1972	Richard L. Petzoldt, MD (deceased, March 1985)
1959-1960	George C. Raszus, MD (deceased, August 1968)	1972-1973	William H. Bowers, MD Richmond, VA
1960-1961	James H. Dobyns, MD (deceased, July 2011)	1973-1974	William R.J. Rennie, MD Winnipeg, Manitoba, Canada
1961-1962	Avrum I. Froimson, MD Cleveland, OH	1974-1975	David C. Bush, MD Danville, PA
1962-1963	Norman A. Hill, MD (deceased, April 1993)	1975-1976	Joseph E. Imbriglia, MD Pittsburgh, PA
1963-1964	Lawrence H. Schneider, MD Philadelphia, PA	1976-1977	Michael P. Coyle, MD New Brunswick, NJ
1964-1965	Charles L. McDowell, MD (deceased, October 2020)	1977-1978	William B. Kleinman, MD Indianapolis, IN
1965-1966	James R. Doyle, MD Saint Helena, CA	1978-1979	Lawrence C. Hurst, MD Stony Brook, NY
1966-1967	Harold M. Dick, MD (deceased, May 2011)	1979-1980	Steven M. Wenner, MD Springfield, MA
1967-1968	Alexander C. Angelides, MD (deceased, May 2003)	1980-1981	Thomas I. VonGillern, MD Moline, IL
1968-1969	Norman J. Cowan, MD Bowie, MD	1981-1982	Edward V. Craig, MD New York, NY
1969-1970	David P. Green, MD San Antonio, TX	1982-1983	Melvin P. Rosenwasser, MD New York, NY
1970-1971	Dean S. Louis, MD Ann Arbor, MI	1983-1984	Thomas A. Rago, MD Bridgeport, CT
			David M. Boland, MD Fall River, MA,
			Leigh Ende, MD Randolph, NJ
			Enrique H. Monsanto, MD Brooklyn, NY
		1984-1985	Matthew D. Putnam, MD Minneapolis, MN
			William H. Seitz, MD Cleveland, OH
		1985-1986	Sandy M. Gonzalez, MD Santura, Puerto Rico
			Mark J. McBride, MD Morristown, NJ

The Robert E. Carroll Hand Fellows - 1958 to Present

1986-1987	Eric C. Carlson, MD Canon City, CO	2005-2006	Steven J. Goldberg, MD Danville, PA
	Seth B. Paul, MD Cedarhurst, NY	2006-2007	Richard Y. Kim, MD Hackensack University Medical Center Hackensack, NJ
1987-1988	Leo Rozmaryn, MD Rockville, MD	2007-2008	Steven Shamash, DO Garden State Orthopaedics, Fairlawn, NJ
1988-1989	Donald H. Lee, MD Birmingham, AL	2008-2009	Christopher Katcherian, MD Downey, CA
1989-1990	Scott Wolfe, MD New York, NY	2009-2010	Neil J. White, MD Calgary, Canada
1990-1991	Brian Cushin, MD Bronx, NY	2010-2011	Michael Birman, MD Chicago, IL
1991-1992	Jeffrey Lakin, MD Wayne, NJ	2011-2012	Patrick Olson, MD Park City, UT
1992-1993	John Lunt, MD Danbury, CT	2012-2013	Rudy Rodriguez, MD Missouri Delta Medical Center, Sikeston, MO
1993-1994	Haik Kavookjian, MD Stamford, CT	2013-2014	James Wilkerson, MD Maine Orthopedic Center, Portland, ME
1994-1995	Robert H. Wilson, MD Washington, DC	2014-2015	David Zeltser, MD The Permanente Medical Group San Francisco, CA
1995-1996	Gina C. DelSalvio, MD Fishkill, NY	2015-2016	Andrew Schannen Albuquerque, NM
1996-1997	Kenji Miyasaka, MD Bronx, NY	2016-2017	Valdet Nikci, MD Brookfield, CT
1997-1998	Michael L. Lee, MD Las Vegas, NV	2017-2018	Samuel E. Galle, MD Proliance Hand, Wrist, & Elbow, Kirkland, WA
1998-1999	Sasha Ristic, MD Poughkeepsie, NY	2018-2019	Chia Wu, MD Baylor College of Medicine, Houston, TX
1999-2000	Roderick J. Bruno, MD Exeter, NH	2019-2020	Kelly Esposito, MD EmergeOrtho, Wilmington, NC
2000-2001	H. Matthew Quitkin, MD Exeter, NH	2020-2021	George Cibulas, MD US Air Force, Anchorage, AK
2001-2002	Vishal Sarwahi, MD Bronx, NY	2021-2022	Kiran Agarwal-Harding, MD <i>Beth Israel Deaconess Medical Center</i> Boston, MA
2002-2003	Jerome D. Chao, MD Albany, NY	2022-2023	Kyle Angelicola-Richardson, MD Current Fellow
2003-2004	Ryan Beekman, MD Detroit, MI	2023-2024	Nathan Winek, MD Incoming Fellow
2004-2005	Michael W. Grafe, MD Santa Rosa, CA		

Welcome to “The Big Apple”



New York-Presbyterian/Columbia University Irving Medical Center is located on the eastern shore of the Hudson River at the foot of the George Washington Bridge in northern Manhattan. Many housing options exist in New York City and many fellows live on the upper west side. There are housing options available through the NYP GME office.

New York is the financial and cultural capital of the world. One can easily reach the Midtown Manhattan via a 20-minute subway ride that reveals a world of art, theater, and shopping. The Museum of Modern Art, the Museum of Natural History, the Metropolitan Museum, and the Hayden Planetarium are but a few of the many city museums. Radio City Music Hall, Carnegie Hall, and the four theaters of Lincoln Center are replete with music, ballet, opera, and other live entertainment. You can enjoy the latest Broadway musical, play, or revival after dining in the world's finest restaurants.

New York never sleeps! Easily accessible from three airports by car or public transportation, the location will allow you to go to the beach for the day or to the Catskill Mountains for the weekend. If sports are in your blood, Yankee Stadium and Citi Field are a subway ride away, Madison Square Garden is a couple stops away, and the Meadowlands Sports Complex is located just across the river in New Jersey.



“I had the distinct honor to serve as the Carroll hand fellow from 2020-2021. My year spent in New York City with the hand surgeons at Columbia University couldn't have been better. It was without question, the best and most engaging year of my surgical training to date. While working with Drs. Rosenwasser, Strauch, Kadiyala, and Roberts, you are afforded the opportunity to engage in a breadth of cases from the shoulder all the way down to the fingertip - in patients of all ages – in both hospital and surgical center environments. If general orthopedic trauma is a skill you wish to keep fresh, you don't have to find a way to carve this interest into your already busy fellow schedule. Dr. Rosenwasser continues to actively serve as the chair of trauma surgery which allows you to engage in these cases without compromising your hand surgery experience. While you will spend plenty of time mastering your surgical technique in the operating room, you will also spend just the right amount of time in clinic developing your autonomy as a young physician surgeon while also mentoring residents and medical students on a daily/weekly basis. For me, this fellowship was the sine qua non of my future as a hand surgeon. The relationships I was able to forge with the attendings, staff, co-fellows, and residents at Columbia was a truly incredible experience. This fellowship is the rare program you hear about that “has it all”... and when you transition to your next practice you will be well trained, competent, and have the support of your Columbia family always at your side.”

George Cibulas, MD 2020-2021
United States Air Force, Anchorage, AK

Graduate Staff Salaries 2022 – 2023

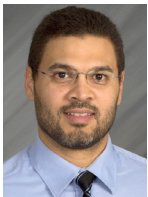
Graduate Staff Level 1	\$75,694
Graduate Staff Level 2	\$83,783
Graduate Staff Level 3	\$90,651
Graduate Staff Level 4	\$93,199
Graduate Staff Level 5	\$96,365
Graduate Staff Level 6	\$98,095
Graduate Staff Level 7	\$101,052

NewYork-Presbyterian
Office of Graduate Medical Education

Columbia University Irving Medical Center

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"I am forever grateful for the education and skills I gained during my fellowship year at the Columbia Hand and Upper Extremity program. The hands on experience and over one thousand procedures that I participated in, allowed me to transition into a solo practice immediately after my fellowship. During this year I participated in the treatment a wide variety of upper extremity conditions, from elbow arthroplasty, digit replantation, to ligament reconstruction to name a few. After my experience at Columbia, I felt well prepared to be able to work in an independent fashion. The faculty at Columbia are invested in the growth and education of the residents and fellows. The atmosphere between the faculty, residents and fellows is collegial. You become part of the Columbia family. I frequently communicate with Dr. Rosenwasser and Dr. Strauch seven years out from my fellowship. They have been a dependable and expert source of information when I have encountered challenging cases in my practice."

Rudy Rodriguez, MD 2012-2013
Missouri Delta Medical Center, Sikeston, MO



Hand & Upper Extremity **Fellowship**

Fellowship Interviews 2023



COLUMBIA

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DEPARTMENT OF ORTHOPEDIC SURGERY

NewYork-Presbyterian

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